# Technical Specifications

NETZSCH

| | TG 209 *F3 Nevio* | DSC 214 *Nevio* |
|---|---|---|
| Temperature range (max.) | RT to 1000°C | -170°C to 600°C |
| Cooling rate/heating rate (max.) | 100 K/min / 200 K/min | 500 K/min |
| Measuring range/ weighing range (max.) | 2000 mg* | ± 750 mW |
| Enthalpy accuracy | n/a | ± 1%** |
| TGA resolution | 0.1 µg | n/a |
| Indium Response Ratio | n/a | > 100 |
| Exchangeable sensors | Yes | n/a |
| Cooling options | n/a | ▪ Air compressor: RT to 600°C<br>▪ Compressed air: < 0°C to 600°C<br>▪ Intracooler: -70°C to 600°C<br>▪ Liquid nitrogen: -170°C to 600°C |
| Gas atmospheres | Inert, oxidizing, static and dynamic | Inert, oxidizing, static and dynamic |
| Mass flow controller for purge/protective gas | Optional, 3 (0 to 250 ml/min) | 3, integrated (0 to 250 ml/min) |
| Gas flow regulation | With MFCs: software-controlled | Software-controlled |
| Automatic Sample Changer (ASC) | Optional | Optional |
| Software | min. *Proteus*® 8 | min. *Proteus*® 8 |
| *Proteus*® software extensions included | ▪ *SmartMode*<br>▪ *ExpertMode*<br>▪ *AutoCalibration*<br>▪ c-*DTA*® | ▪ *SmartMode*<br>▪ *ExpertMode*<br>▪ *AutoCalibration*<br>▪ (Advanced) *BeFlat*®<br>▪ *AutoEvaluation*<br>▪ *Identify* |
| Software extensions (optional) | ▪ *AutoEvaluation*<br>▪ Temperature modulation<br>▪ *Proteus*® *Protect*<br>▪ *Identify*<br>▪ *Peak Separation*<br>▪ Kinetics Neo<br>▪ *Thermal Simulations* | ▪ Temperature modulation<br>▪ Specific heat capacity ($c_p$)<br>▪ *Proteus*® *Protect*<br>▪ *Purity Determination*<br>▪ *Peak Separation*<br>▪ *Kinetics Neo*<br>▪ *Thermal Simulations* |
| Size (W x H x D) – incl. ASC, without physical connections | 575 mm x 460 mm x 560 mm | 350 mm x 445 mm x 560 mm |

* minus weight of crucible
** for indium